

## WHAT IS CLAIMED IS:

1. A torsion beam type suspension, comprising:

a pair of left and right trailing arms connected to each other through a torsion beam, front ends of the trailing arms being used to mount a vehicle body by using joints, wherein said torsion beam is obtained by forming an overall length of a pipe having a certain wall thickness by using a pressure forming process, and wherein end sections defined at both end portions of said torsion beam have a cross-sectional shape of a hollow oval, a center section defined at a center portion of said torsion beam has a cross-sectional shape of a hollow open loop, and middle sections defined between the center portion and both the end portions of said torsion beam have a cross-sectional shape of a hollow open loop, the loop of the middle sections defining an inner space larger than that defined by the loop of the center section.

2. A forming method of a torsion beam provided in a torsion beam type suspension as defined in claim 1, comprising the steps of:

seating a pipe having a circular cross-sectional shape and a certain wall thickness on a lower mold, and operating an upper mold and the lower mold, thereby forming the circular pipe to have a cross-sectional shape of an oval;

operating feeding punches located at both ends of said pipe and mounted on a mandrel unit adapted to operate in a longitudinal direction of said pipe, thereby inserting them into both end portions of said pipe; and

injecting working fluid through center holes formed at said feeding punches, respectively, so as to fill an inner space of said pipe with said working fluid, thereby applying internal pressure to an inner peripheral surface of said pipe, and then operating upper and lower punches, thereby forming outer-side and inner-side portions of said torsion beam.